

European Patent Application

Sony International (Europe) GmbH

"SOVA Turbo Decoder with decreased normalisation complexity"

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Abstract

To obtain best performance from a turbo decoder using a SOVA algorithm a  
10 normalisation unit (27) is used. By using normalisation the complexity of the decoder  
is increased. To decrease the complexity it is proposed not to normalise all of the  
decoding units (27, 33) output. In this way computational complexity is reduced for  
only a small degradation in performance.

15 (Fig. 2)

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